

All-Payer Claims Databases

Alaska Health Care Commission
June 20, 2013



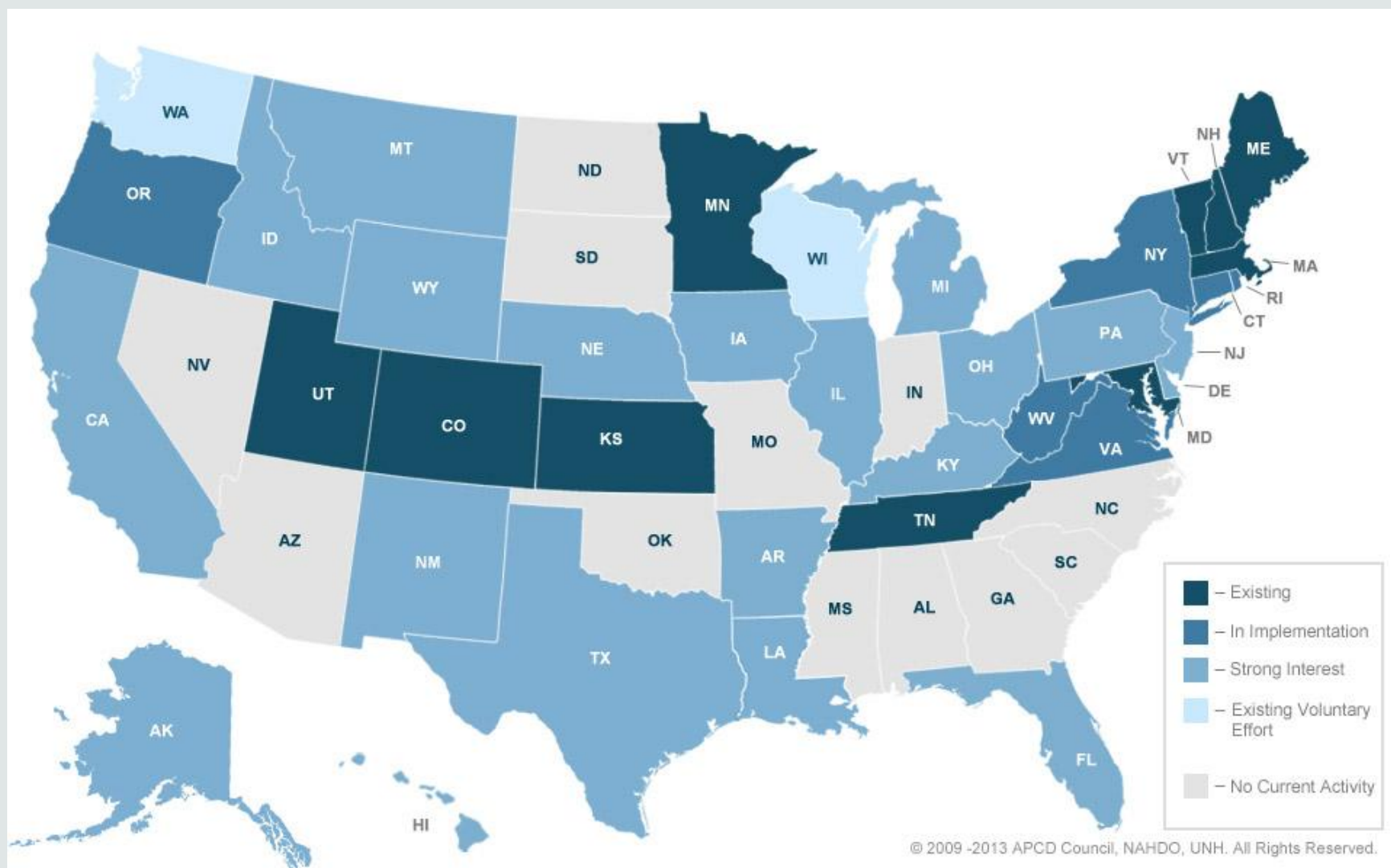
Our Work

- Early Stage Technical Assistance to States
- Shared Learning
- Catalyzing States to Achieve Mutual Goals

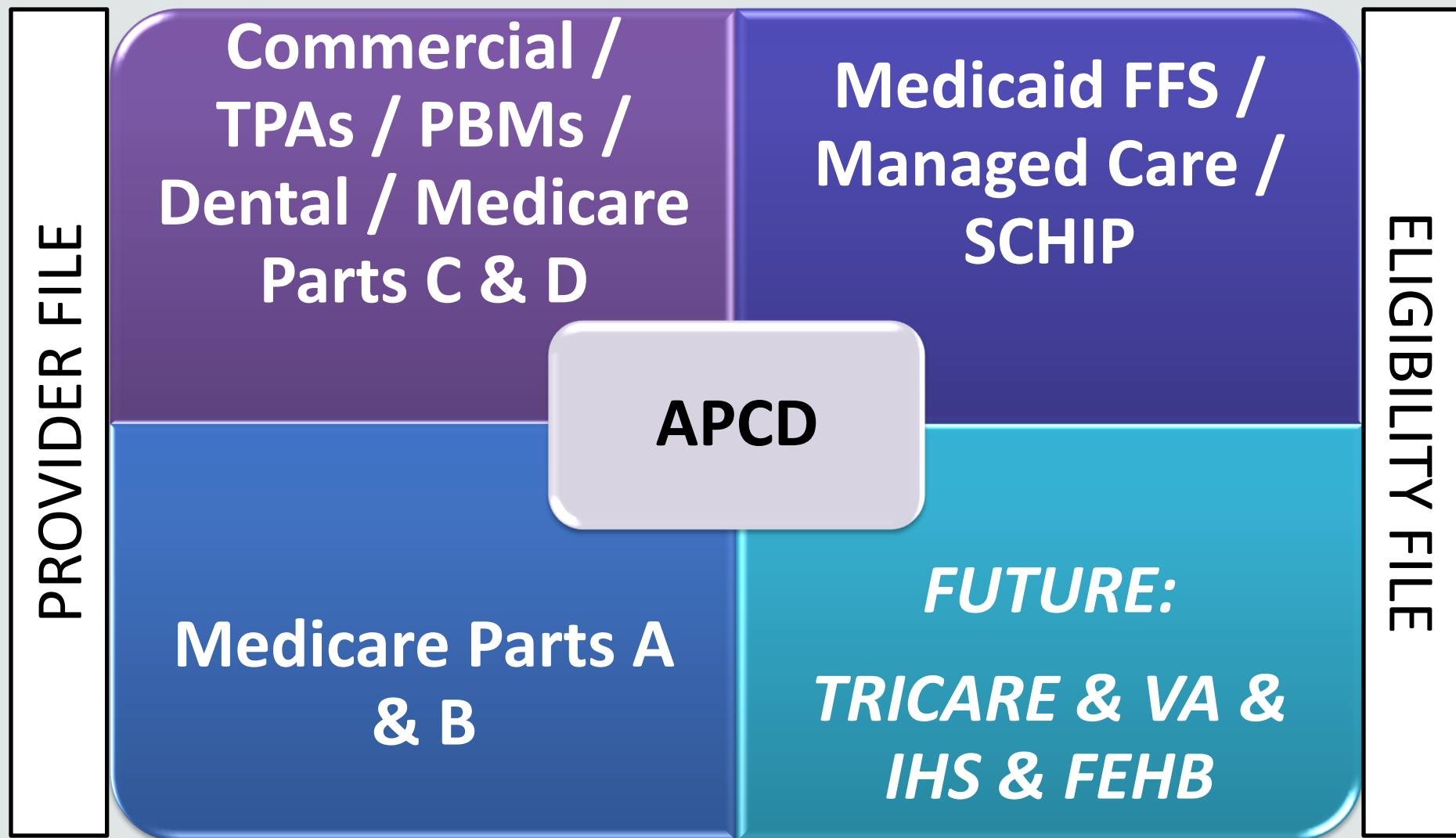
www.apcdcouncil.org



March 2013 State Progress Map



Typical APCD Data Sets



Evolution of Data Sets for States

Administrative Data Sets

- Hospital Discharge
- Medicaid
- Medicare
- All-Payer Claims Databases

Clinical Data Sets

- Public Health Registries
- Clinical Registries
- Electronic Health Records
- Laboratory Systems
- Health Information Exchanges



Linkage?

Strategic IT Opportunities

Population Health

CER studies;
supplement
HIE with APCD
transactions;
etc.

Rate review; MLR
review; product
/benefit design;
etc.

APCD

Link
clinical
w/
financial

Send claims,
eligibility,
non-claim
fiscal
transactions

Shared
Services*

HIE

HIX

Link
benefits
w/ care
delivery

Relationship studies
between benefits
and care delivery;
quality rankings for
HBE/HIX; etc.

* Future shared
services opportunities
might include master
provider or patient
indexes or other
services.

Data Release

- **WHO** Is Granted Access To **WHICH** Data Under **WHAT** Circumstances?
 - Data Release Boards / Privacy Boards
 - Data Use Agreements
- Are Data To Be Considered a Public Utility By The State And Stakeholders?
- Release “Staging” and Formats

Data Release Formats By State (03/13)

State	Public Use File	Limited Use File	Public Website(s)	Reports	Notes
Colorado					
Connecticut					Construction
Kansas					
Maine					
Maryland					
Massachusetts					
Minnesota					No release yet
New Hampshire					
New York					Construction
Oregon					
Rhode Island					Construction
Tennessee					No release yet
Utah					
Vermont					
Virginia					Construction
West Virginia					Construction

Usage Examples

Something for Everyone

HEALTH
DEPARTMENT

INSURANCE
DEPARTMENT

POLICY
MAKERS

MEDICAID

PURCHASERS

RESEARCHERS

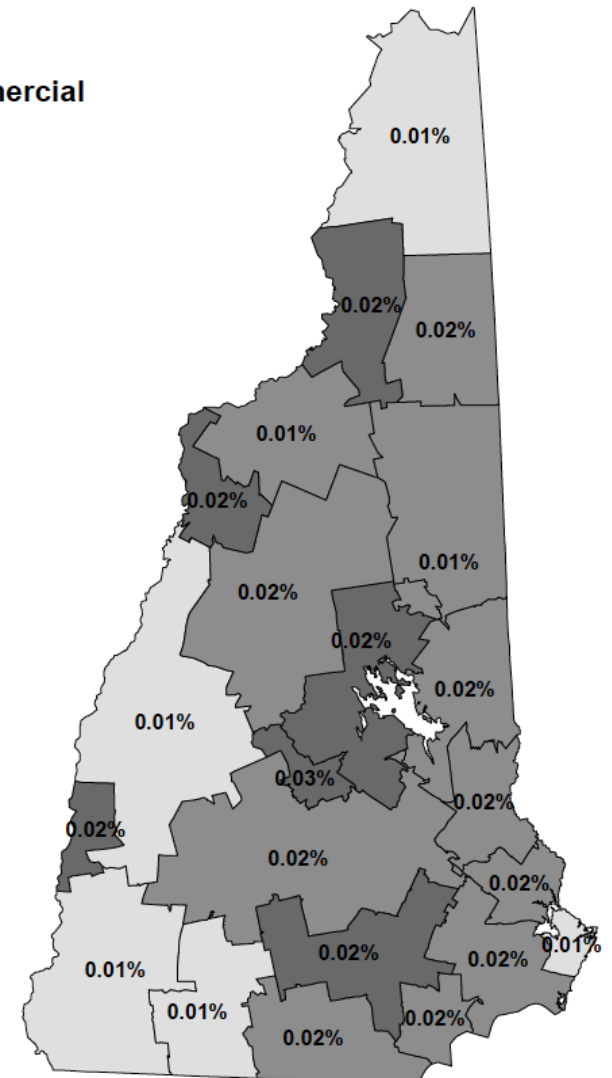
PROVIDERS

PAYERS

CONSUMERS

Population Health

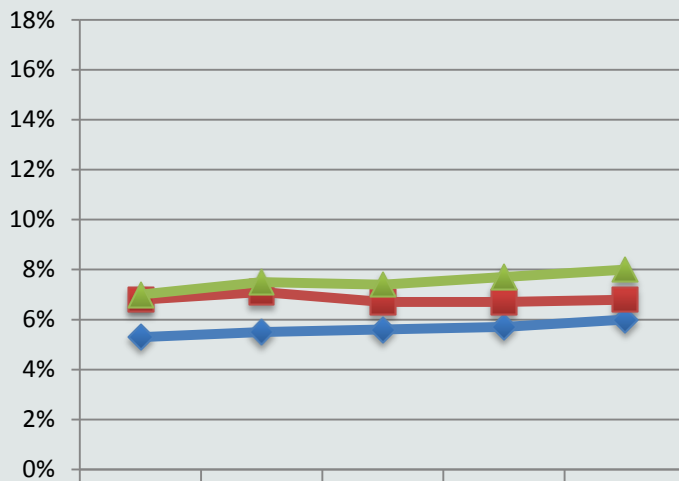
Rates Standardized for Age



Source: NH DHHS

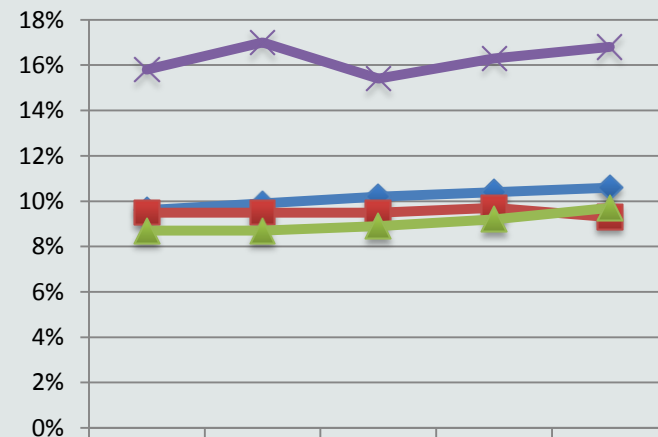
Prevalence of Asthma by Age, NH Medicaid and Commercial Members, 2005-2009

NH Commercial Asthma Prevalence 2005-2009



	2005	2006	2007	2008	2009
◆ Total Asthma Prevalence	5.3%	5.5%	5.6%	5.7%	6.0%
■ Age 0-4 Prevalence	6.8%	7.1%	6.7%	6.7%	6.8%
▲ Age 5-9 Prevalence	7.0%	7.5%	7.4%	7.7%	8.0%

NH Medicaid Asthma Prevalence 2005-2009



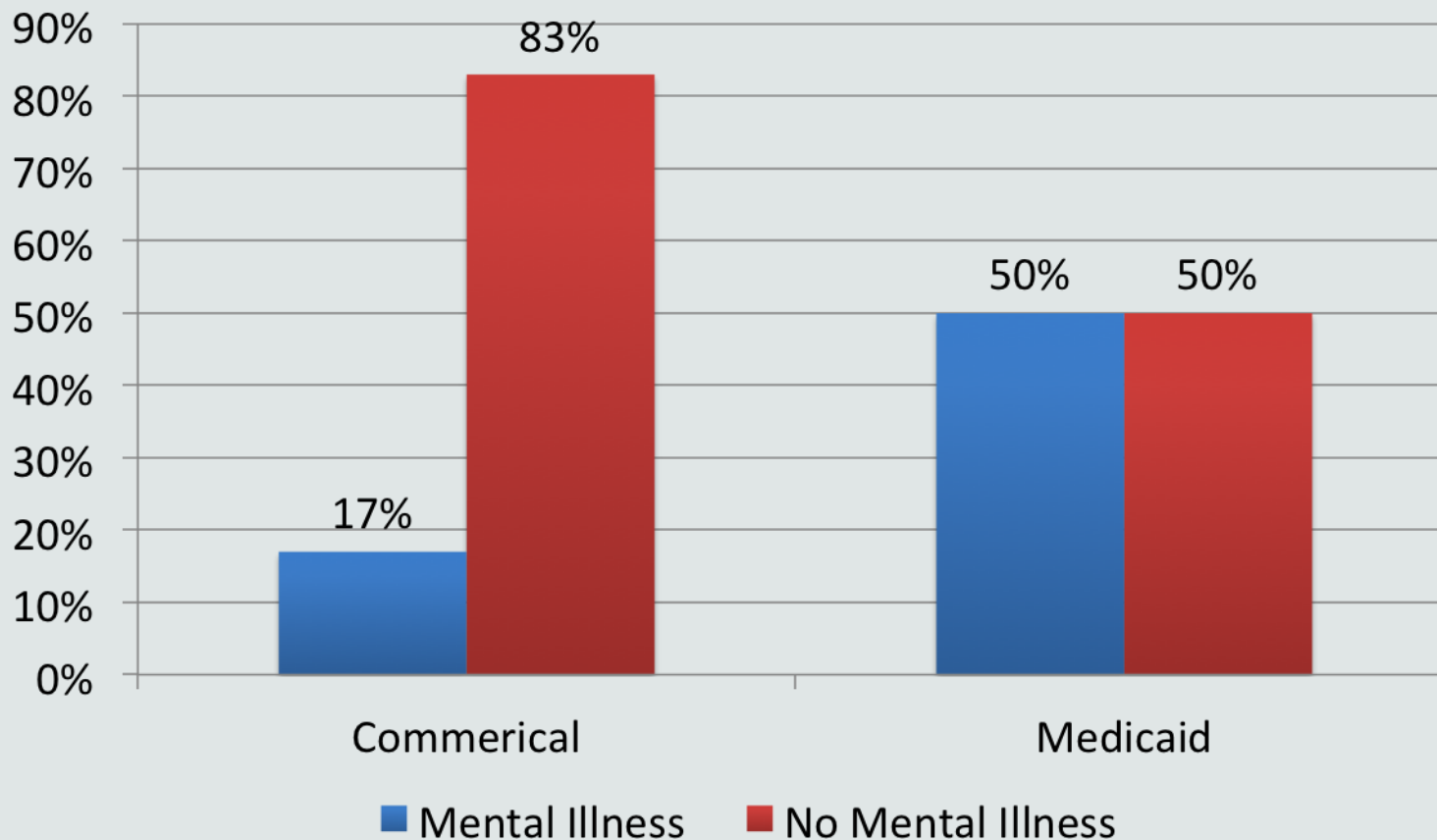
	2005	2006	2007	2008	2009
◆ Total Asthma Prevalence	9.6%	9.9%	10.2%	10.4%	10.6%
■ Age 0-4 Prevalence	9.5%	9.5%	9.5%	9.7%	9.3%
▲ Age 5-9 Prevalence	8.7%	8.7%	8.9%	9.2%	9.7%
✕ Age 55-59 Prevalence	15.8%	17.0%	15.4%	16.3%	16.8%

SOURCE: NH DHHS; www.nhchis.org

Selected Prevalence Conditions – Vermont Commercial Population – 2007-2009

Major Disease Category	Rate/1,000 Members	Rate/1,000 Members	Rate/1,000 Members
	2007	2008	2009
Cancers			
Breast Cancer	6.3	6.3	6.6
Lung Cancer	1	1	1
Colorectal Cancer	1.2	1.1	1.2
Digestive System Diseases	101	99.5	101.1
Heart & Other Circulatory Diseases			
Coronary Heart Disease	13.2	12.9	13.5
Stroke	4.8	4.9	5.2
Congestive Heart Failure	2.3	2.3	2.2
Genitourinary System Disorders	160.5	156.3	156.0
Respiratory System Disorders	263.3	255.5	261.1

Commercial vs. Medicaid Adults > Age 19 with Mental Health Diagnosis, NH, 2007



SOURCE: NH Center for Public Policy Studies

Lifetime Prevalence of Mental Illness by Age Group, Commercial Population, NH, 2007

	Age Grouping			
# of Disorders	18-29	30-44	45-59	60+
1 Disorder	52%	55%	47%	26%
2 Disorders	34%	34%	27%	12%
3 or More Disorders	22%	23%	16%	5%

SOURCE: NH Center for Public Policy Studies

A Snapshot of Clinical Performance by Utah Small Area

Blood Sugar Screening (HbA1c): Diabetes

What is the measure?

This measure tracks all diabetic individuals who have had their blood sugar levels screened within the measurement year.

Who is eligible?

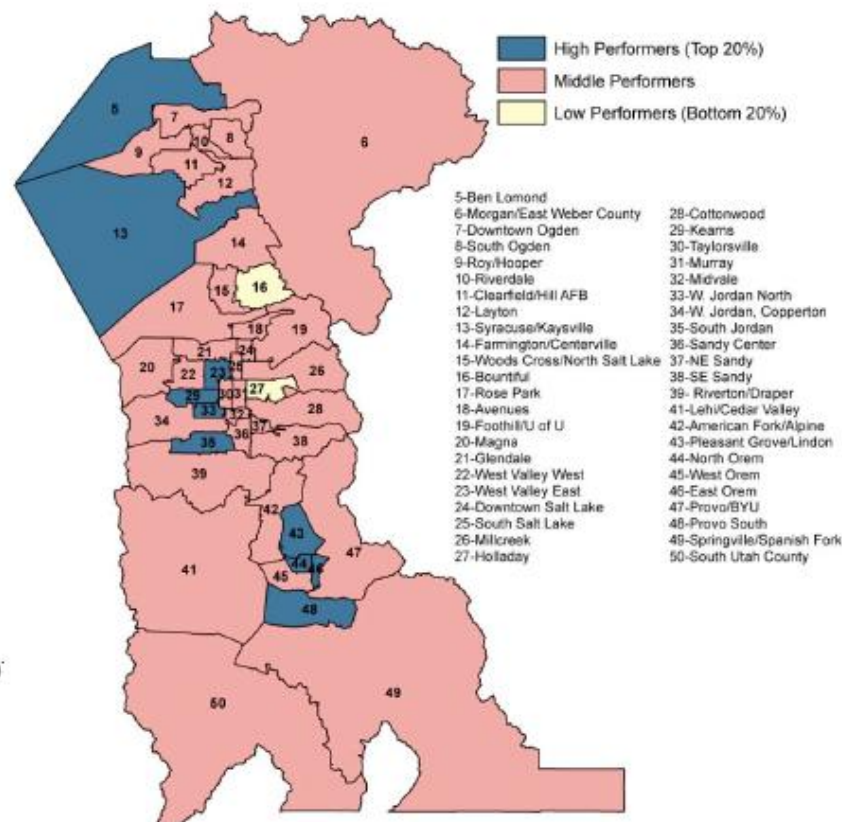
This measure examines all members 18 to 75 years of age who have been diagnosed with diabetes (type 1 and 2).

Why is this measure important?

Individuals with diabetes who maintain near normal HbA1c levels can gain on average, an extra five years of life, eight years of sight and six years free from kidney disease.

SOURCE: Utah Health Atlas

Utah: Wasatch Front

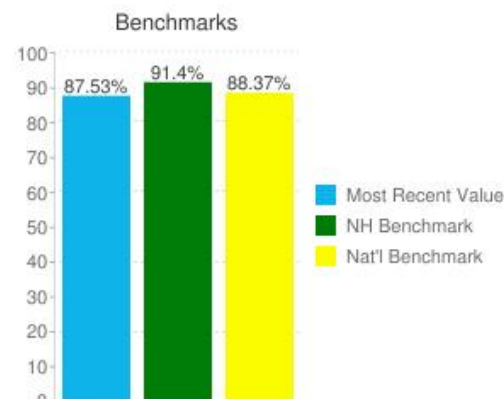
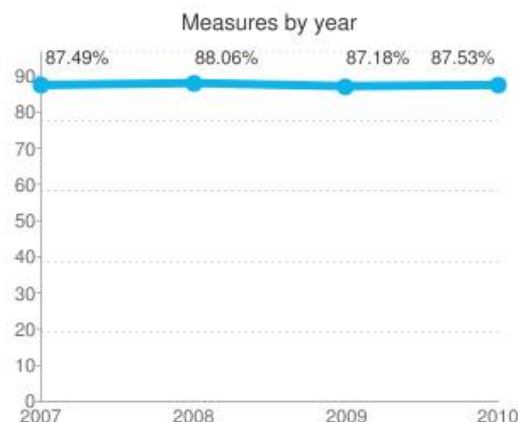


- [DHHS Home](#)
- [DHHS Medicaid Home](#)
- [Medicaid Report Card Home](#)
- [Report Topics](#)
 - [Access to Quality Hospital Services](#)
 - [Access to Quality Primary Care Services](#)
 - [Dental Access](#)
 - [Diabetes](#)
 - [Health Risk Behaviors](#)
 - [Heart Disease and Stroke](#)
 - [Maternal, Infant and Child Health](#)
 - [Mental Health and Substance Use Disorders](#)
 - [Respiratory Diseases](#)

Medicaid Report Card

Results for: Use of Appropriate Medications for People with Asthma (ASM)

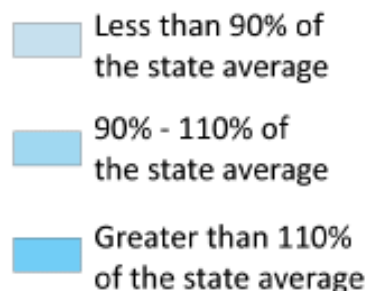
Measures by Year



Data

Year	Measure Numerator	Measure Denominator	Measure Value	NH Benchmark	National Benchmark
2010	1,565	1,788	87.53%	91.4%	88.37%
2009	1,380	1,583	87.18%	89.9%	88.57%
2008	1,542	1,751	88.06%	90.7%	86.9%

Map 1. Per Capita Cost of Care, Medicaid Population, Ages 0-64, 2011



State Average: \$2,461

Notes

Data based on residence of 792,000 individuals. Cost of care does not include care for which claims are not submitted (i.e. HMOs and behavioral health). Analysis does not include claims related to substance abuse, but does include patient cost sharing. Data not adjusted for case mix.

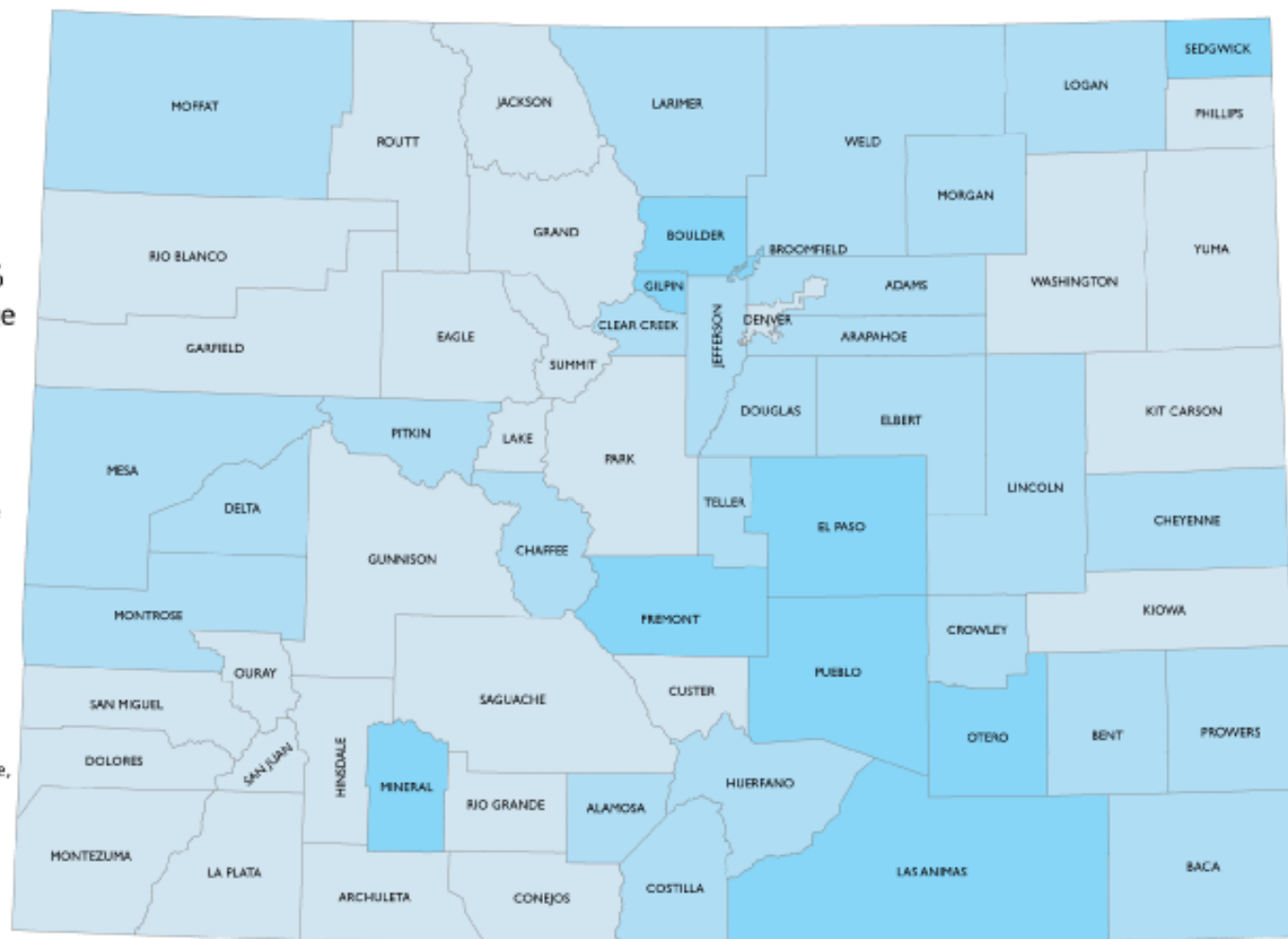
Source

Colorado All Payer Claims Database, Center for Improving Value in Health Care, October 2012
www.cohealthdata.org



CENTER FOR IMPROVING
VALUE IN HEALTH CARE

SOURCE: CIVHC, www.cohealthdata.org



Map created by the Colorado Health Institute

0 25 50 100 Miles

NH CLAIMS Web Reporting and Query Module

Report Type: Prevalence

Report Category: Diabetes

Report Sub-category: Diabetes Rate

***Type of Payer=Commercial
 Measurement Year 2009***

	County of Residence=Belknap					State of New Hampshire Total					
Age Group (Standard)	Rate per 1,000	Lower 95% CI	Upper 95% CI	Number of Selected Individuals	Number of Population Individuals	Rate per 1,000	Lower 95% CI	Upper 95% CI	Number of Selected Individuals	Number of Population Individuals	Significance
** Age-Adjusted Total **	28.7	26.9	30.5	N/A	N/A	27.7	27.3	28.1	N/A	N/A	Not Sig
0-4	*	*	*	*	765	0.5	*	*	9	15,154	*
5-14	2.8	*	*	7	2,466	3.1	2.6	3.6	156	49,762	*
15-24	7.7	4.9	11.6	23	2,965	6.0	5.3	6.6	342	56,948	Not Sig
25-34	14.8	10.0	21.0	31	2,086	11.8	10.8	12.8	498	42,011	Not Sig
35-44	26.0	20.7	32.3	82	3,150	26.7	25.4	28.0	1,664	62,237	Not Sig
45-54	56.1	49.1	63.0	249	4,437	56.0	54.4	57.6	4,683	83,558	Not Sig
55-64	110.3	100.2	120.4	457	4,142	107.7	105.3	110.2	7,464	69,243	Not Sig
** Crude Total **	42.5	39.6	45.3	851	20,011	39.1	38.4	39.7	14,816	378,913	N/A

Source: <http://www.nhhealthwrqs.org>

Adverse Drug Event IP Discharges, Rates, and Payments, by Carrier, Maine Commercial Claims, 2006-2007

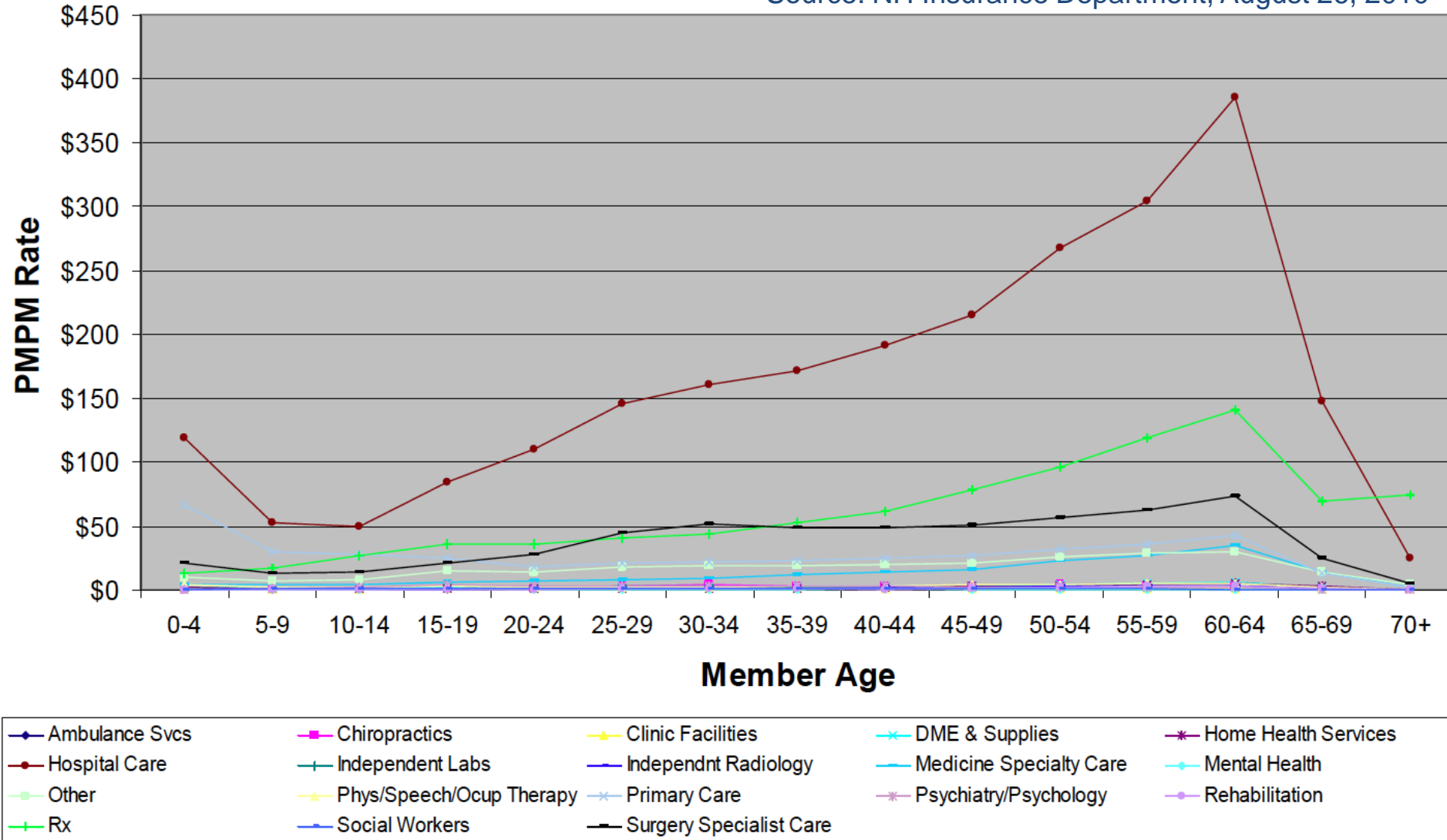
Carrier (Blinded)	ME Discharges	Rate / 1,000 Discharges	ME Payments	% Total Payments
1	39	0.77	\$273,288	1%
2	127	2.52	\$1,320,522	0%
3	9	0.18	\$55,807	0%
4	1,254	24.92	\$23,014,786	90%
5	4	0.08	\$21,312	0%
6	84	1.67	\$884,545	3%
Total	1,517	30.14	\$25,570,259	100%

Source: MEHAF

State Regulatory Agencies

2009 PMPM Rates by Age Group and Service Type

Source: NH Insurance Department, August 26, 2010



Medicaid Payment Rate Benchmarking

Procedure Code	Average Payment Including Patient Share, 2006			
	Health Plan 1	Health Plan 2	Health Plan 3	NH Medicaid
99203 Office/Outpatient Visit New Patient, 30min	\$124	\$115	\$130	\$42
99212 Office/Outpatient Visit Established Patient, 10min	\$51	\$48	\$52	\$30
99391 Preventive Medicine Visit Established Patient Age <1	\$111	\$102	\$107	\$61
90806 Individual psychotherapy in office/outpatient, 45-50min	\$72	\$71	\$71	\$61

SOURCE: NH DHHS



Reports Home

Chronic Diseases

Diabetes

Mental Health
Disorders

Chronic Respiratory
Disease

Cardiovascular Disease
Reports

Use and Cost

Categories of Service

Ambulatory Care
Sensitive Conditions

Payment Categories

Emergency
Department Use

Pharmacy Use and
Cost

Type of Service

Payments Members per
Month

Enrollment

Child Health and Care Reports

NH CHIS Medicaid Diabetes Reports

Report Type:

Medicaid Prevalence of Diabetes (5A)

Eligibility Category:

All Elig Cat Groupings
Total Medicaid Enrollment
Low Income Child
Low Income Adult

Health Analysis Area:

All HAA Groupings
State Total
Berlin
Claremont

CCS Group:

Total
Infectious and parasitic diseases
Neoplasms
Endocrine; nutritional; and metabolic diseases and immunity disorders

Medicare Eligibility Selection

All Members
Only Members not Eligible for Medicare
Only Members also Eligible for Medicare

Year: 2010

Display Report

NH CHIS Commercial Diabetes Reports

Report Type:

Commercial Prevalence of Diabetes (5A)

Product Type:

All Commercial Groupings
Total Commercial Enrollment
Health Maintenance Org (HMO)
Indemnity

Health Analysis Area:

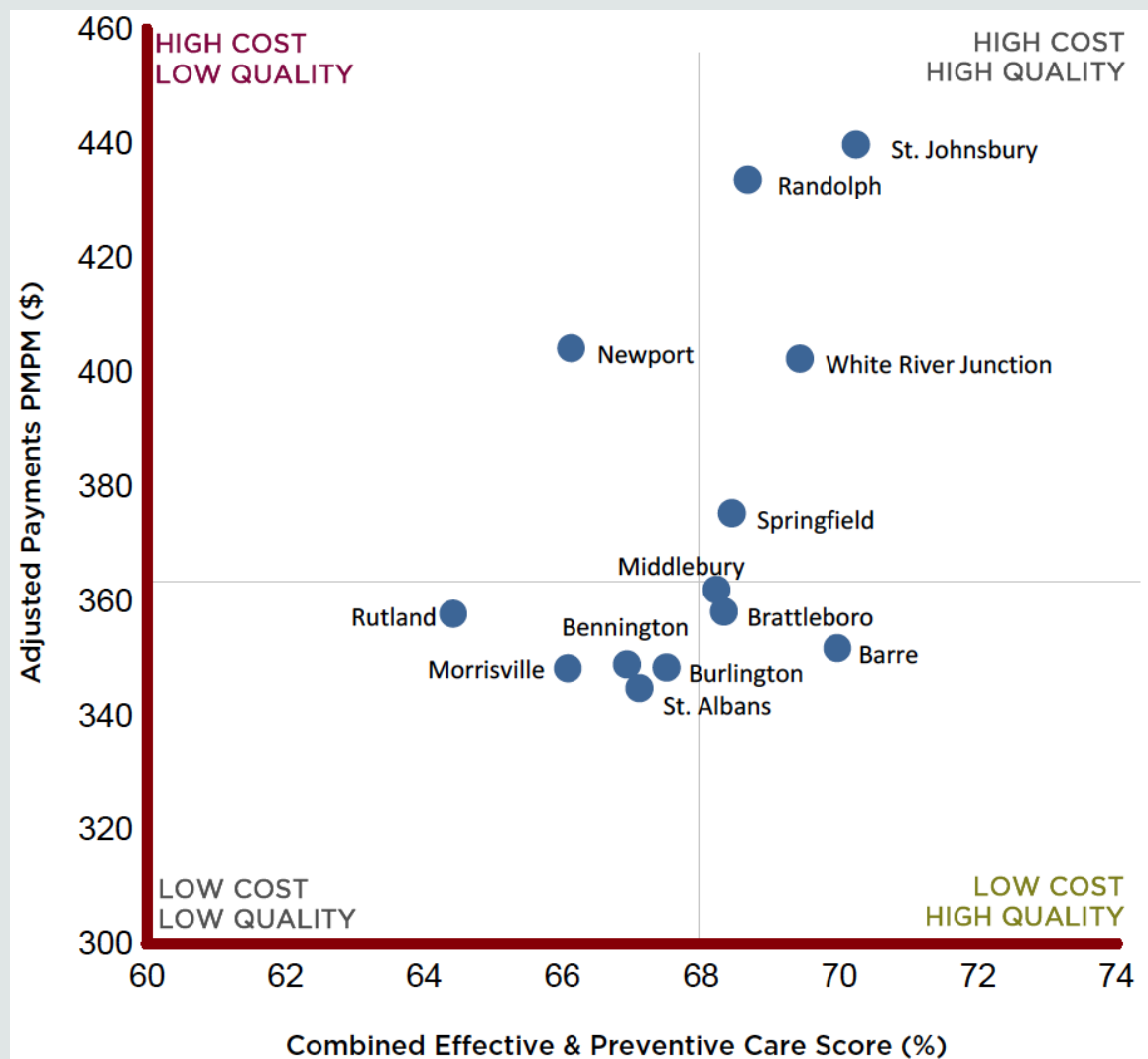
All HAA Groupings
State Total
Berlin
Claremont

CCS Group:

Total

SOURCE: <http://www.nhchis.org>

Vermont Comparative Costs and Quality by Region

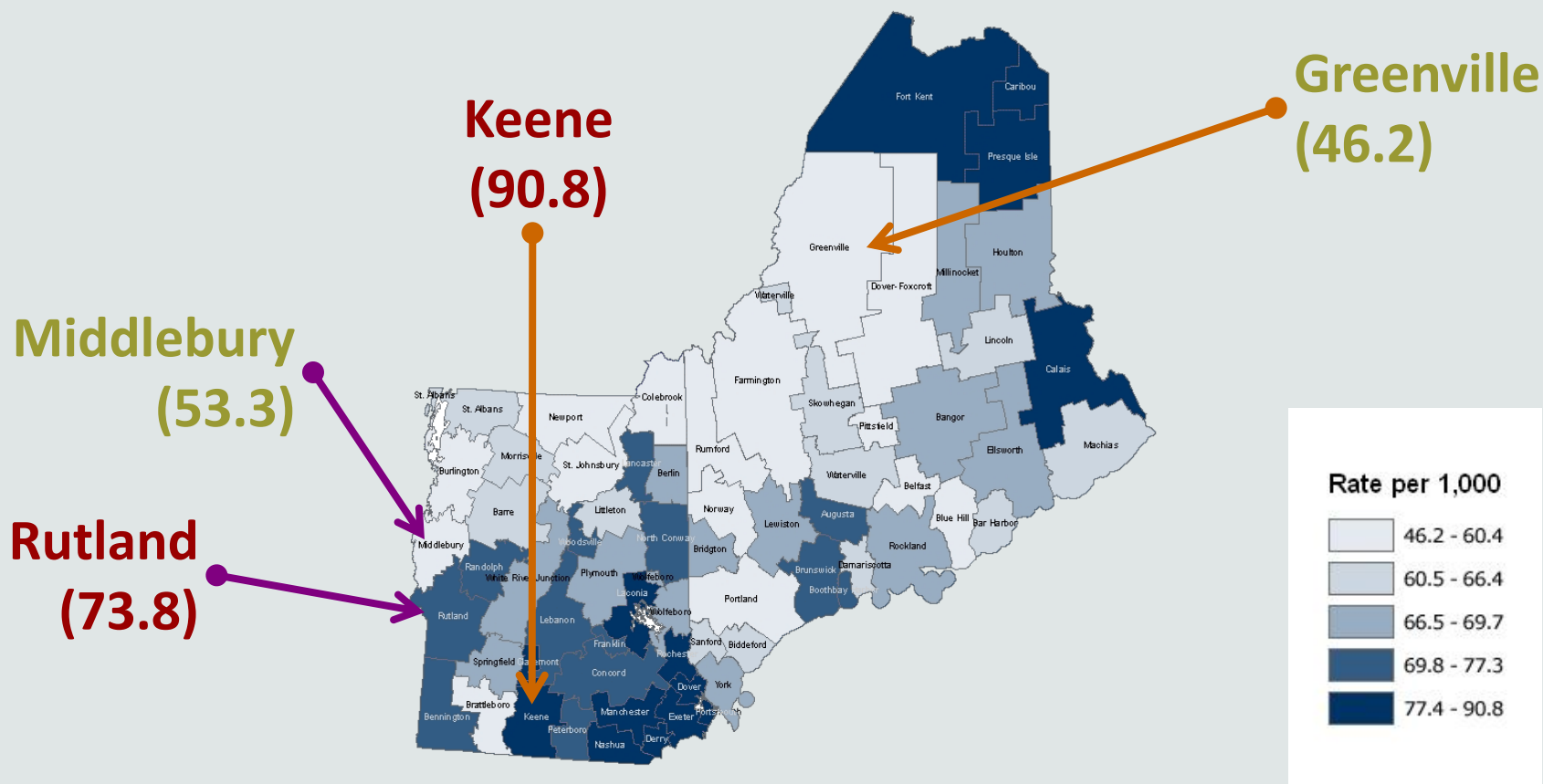


The scattergraph shows the relationship between the rate of payments and the rate of effective and preventive care. The graph's vertical axis displays the rate of payment per member per month (PMPM) adjusted for differences in age, gender, and health status of the population. The graph's horizontal axis displays the combined effective and preventive care score. The crosshair lines display the statewide average for each axis; subpopulations are classified into quadrants based on comparison to the statewide average.

SOURCE: VT BISHCA

Tri-State Variation in Health Services

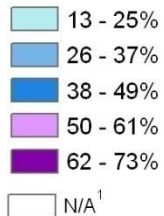
Advanced Imaging – MRIs



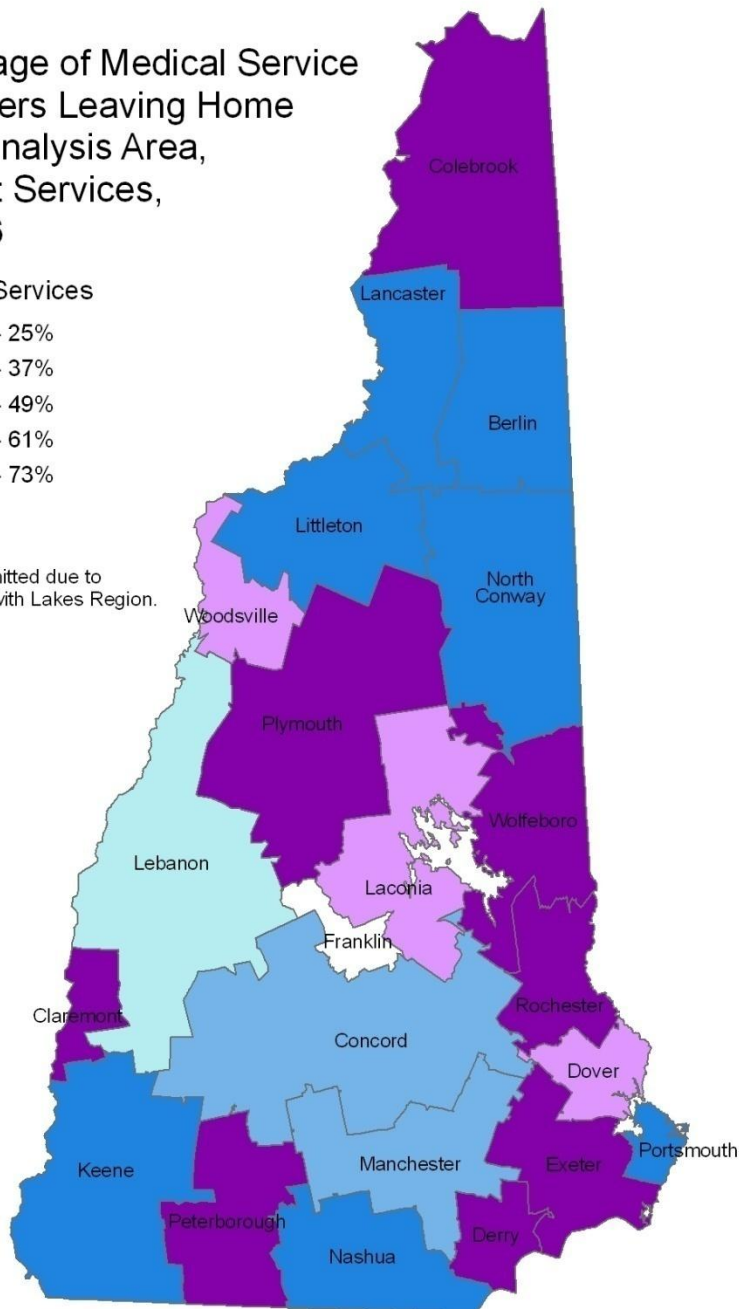
Source: State of Vermont

Percentage of Medical Service Encounters Leaving Home Health Analysis Area, Inpatient Services, CY 2006

Percent of Services

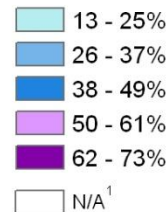


¹Franklin HAA omitted due to hospital merger with Lakes Region.

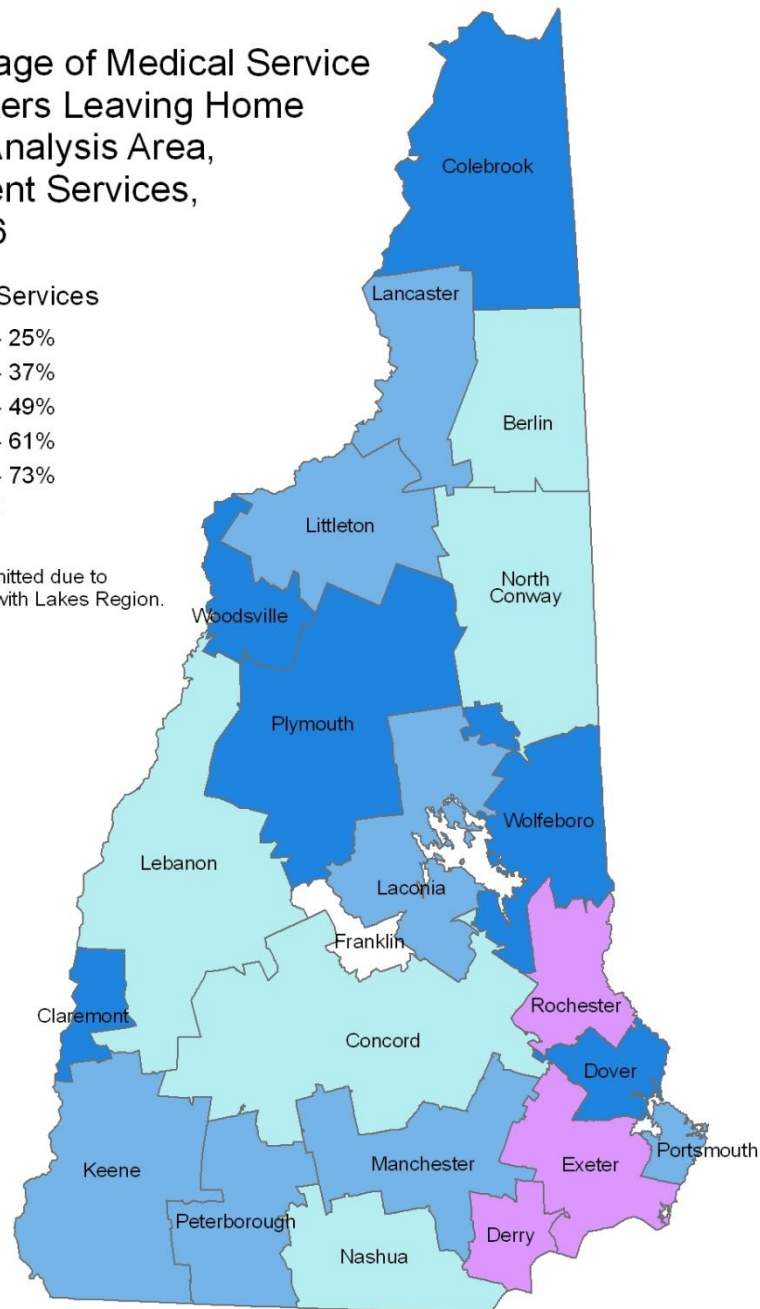


Percentage of Medical Service Encounters Leaving Home Health Analysis Area, Outpatient Services, CY 2006

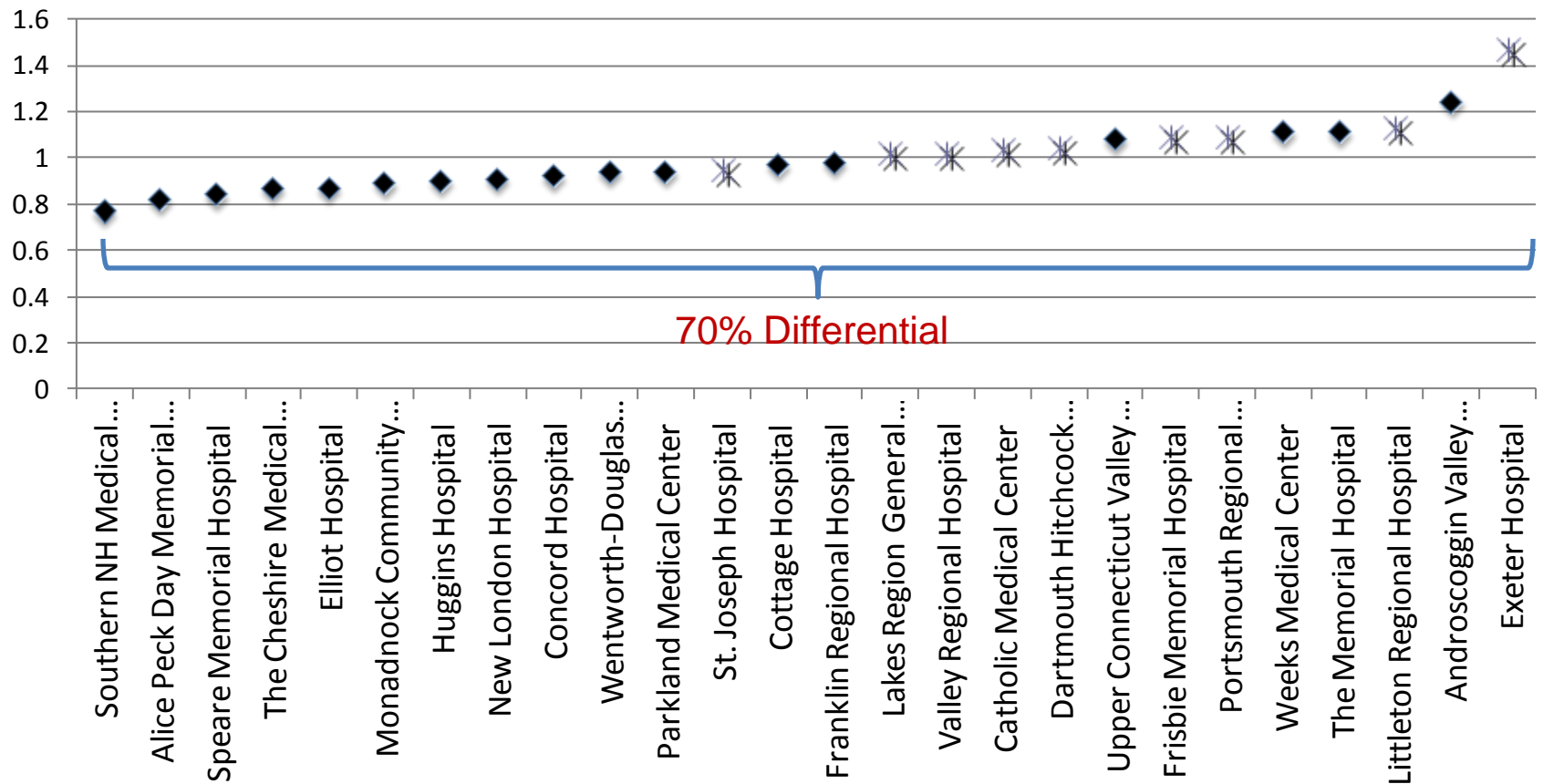
Percent of Services



¹Franklin HAA omitted due to hospital merger with Lakes Region.



CY 2011 Composite Hospital Cost Score - NH Insurance Department



Tier 1=Diamond, Tier 2=Asterisk

NH HealthFirst Plan Design

- Developed in 2009
- 4 Carriers
- Tiered Network Hospital Deductibles
- Expanded Preventive Care Benefits
- 3 Tier and Mail Order Rx
- Wellness Plan with Rewards and Deductible Credits
- Target Rates at 10% of Prior Year's Median Wage

http://www.nh.gov/insurance/media/documents/hf_ppt_coc.pdf

NH Carrier Discounts – 2009 Commercial

Aggregate Discounts (Below)

HMO Discounts by Carrier (Right)

- 1) Anthem – NH = 38.6%
- 2) Harvard Pilgrim Health Care = 38.5%
- 3) Connecticut General Life Insurance/Cigna = 32.9%
- 4) MVP = 30.4%
- 5) All other insurance = 20.5%

HMO – All Providers Included

Carrier	Observations	Average Discount	Lower CI	Upper CI
All Other Insurance	2,281	34.3%	33.4%	35.2%
CGLI/Cigna	11,079	34.1%	33.8%	34.5%
Anthem - NH	590,534	31.2%	31.2%	31.3%
Harvard Pilgrim HC	240,825	30.2%	30.1%	30.3%
MVP	303	30.1%	27.8%	32.5%

HMO – Hospitals Only

Carrier	Observations	Average Discount	Lower CI	Upper CI
Anthem - NH	106,527	38.6%	38.5%	38.8%
Harvard Pilgrim HC	48,330	36.0%	35.8%	36.1%
CGLI/Cigna	2,064	34.1%	33.5%	34.8%
MVP	69	22.4%	19.5%	25.4%
All Other Insurance	435	21.5%	20.1%	22.8%

HMO – No Hospitals

Carrier	Observations	Average Discount	Lower CI	Upper CI
All Other Insurance	1,846	37.3%	36.4%	38.3%
CGLI/Cigna	9,015	34.1%	33.7%	34.5%
MVP	234	32.4%	29.5%	35.2%
Anthem - NH	484,007	29.6%	29.5%	29.6%
Harvard Pilgrim HC	192,495	28.8%	28.7%	28.9%

Source: NH Insurance Department, January 28, 2010

NH vs. Out-of-State Spending

2009 Commercial Membership

Health Insurance Carrier	Location of Care Provided	Average Membership	Patients*§	Patients as a Percent of Membership§	Percent of Allowed Dollars	Payments per Patient	Average Risk Score¥
Anthem - NH	MA	161,556	23,561	15%	10%	\$2,472	1.30
	NH		166,260	103%	85%	\$3,047	0.91
	Other		38,663	24%	5%	\$838	1.21
Totals/Overall Average						\$2,614	1.00
HPHC	MA	95,662	19,552	20%	12%	\$2,053	1.32
	NH		96,064	100%	84%	\$2,949	0.90
	Other		15,096	16%	5%	\$1,011	1.24
Totals/Overall Average						\$2,591	1.00
CIGNA	MA	45,560	13,667	30%	12%	\$1,525	1.23
	NH		46,630	102%	77%	\$2,919	0.87
	Other		25,334	56%	11%	\$743	1.12
Totals/Overall Average						\$2,053	1.00

Source: NH Insurance Department, August 2, 2010

Consumers

Detailed estimates for Arthroscopic Knee Surgery (outpatient)

Procedure: [Arthroscopic Knee Surgery \(outpatient\)](#)

Insurance Plan: Anthem - NH, Health Maintenance Organization (HMO)

Within: 20 miles of 03301

Deductible and Coinsurance Amount: \$200.00 / 10%

Lead Provider Name	Estimate of What you Will Pay	Estimate of What Insurance Will Pay	Estimate of Combined Payments
CONCORD AMBULATORY SURGERY CENTER	\$507	\$2769	\$3276
CAPITAL ORTHOPAEDIC SURGERY CENTER	\$553	\$3177	\$3730
DARTMOUTH HITCHCOCK SOUTH	\$601	\$3609	\$4210
LAKES REGION GENERAL HOSPITAL	\$664	\$4178	\$4842
SPEARE MEMORIAL HOSPITAL	\$673	\$4264	\$4937
FRANKLIN REGIONAL HOSPITAL	\$681	\$4334	\$5015
CATHOLIC MEDICAL CENTER	\$759	\$5036	\$5795



Comparison of Providers


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Patient Safety

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[Serious Reportable Events](#)
[Surgical Care](#)

Patient Experience

[Patient Experience](#)

Bone and Joint Care

[Back Procedure](#)
[Hip Fracture](#)
[Hip Replacement](#)
[Knee Replacement](#)

Cardiovascular Disease

[Angioplasty](#)
[Bypass Surgery](#)
[Cardiac Screening Tests](#)
[Heart Attack](#)
[Heart Failure](#)
[Heart Valve Surgery](#)
[Stroke](#)

Digestive System

[Gall Bladder](#)
[Intestinal Surgery](#)
[Weight-loss Surgery](#)

Cardiovascular Disease: Bypass Surgery

Bypass surgery involves transplanting a blood vessel from your leg or chest to the heart to get around (or "bypass") a blockage in the heart's blood supply. [\(more\)](#)

Diagnostic classification: Coronary Bypass with cardiac catheterization (APR-DRG 165); Coronary Bypass only (APR-DRG 166)

[Summarized Report](#)
[View Detailed Report](#)
[View Statewide Procedure Costs](#)

Quality of Care (more)

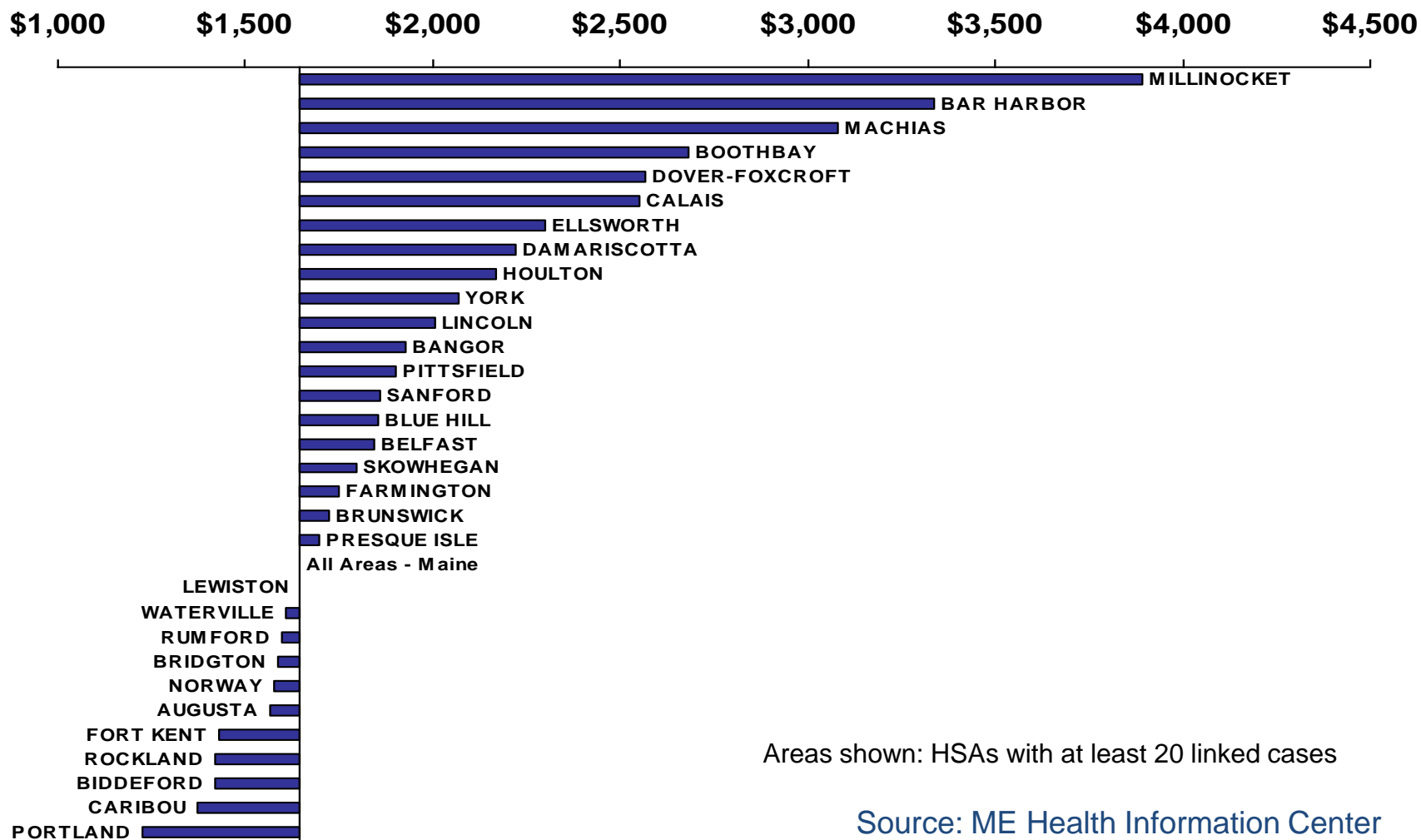
	Boston Medical Center	Brigham & Women's Hospital	Massachusetts General Hospital
Quality Rating	★★	★★	★★
Statistical Significance	Not different from State Average Quality	Not different from State Average Quality	Not different from State Average Quality

Cost of Care (more)

	Boston Medical Center	Brigham & Women's Hospital	Massachusetts General Hospital
Cost Rating	\$	\$\$	\$\$\$
Statistical Significance	Below Median State Cost	Not Different from Median State Cost	Above Median State Cost

Colonoscopy by HSA

Average Paid per Procedure - All Linked Cases (21,716)



Areas shown: HSAs with at least 20 linked cases

Source: ME Health Information Center

Purchasers



New Hampshire Hospital Scorecard

New Hampshire
Hospital Ratings

How Do I Get
Quality Care?

Narrow Search of

[View Results](#)

New Hampshire Hospital Ratings

Page last updated June 2010

Highest Rated

Name

City

Cost

Sort By:

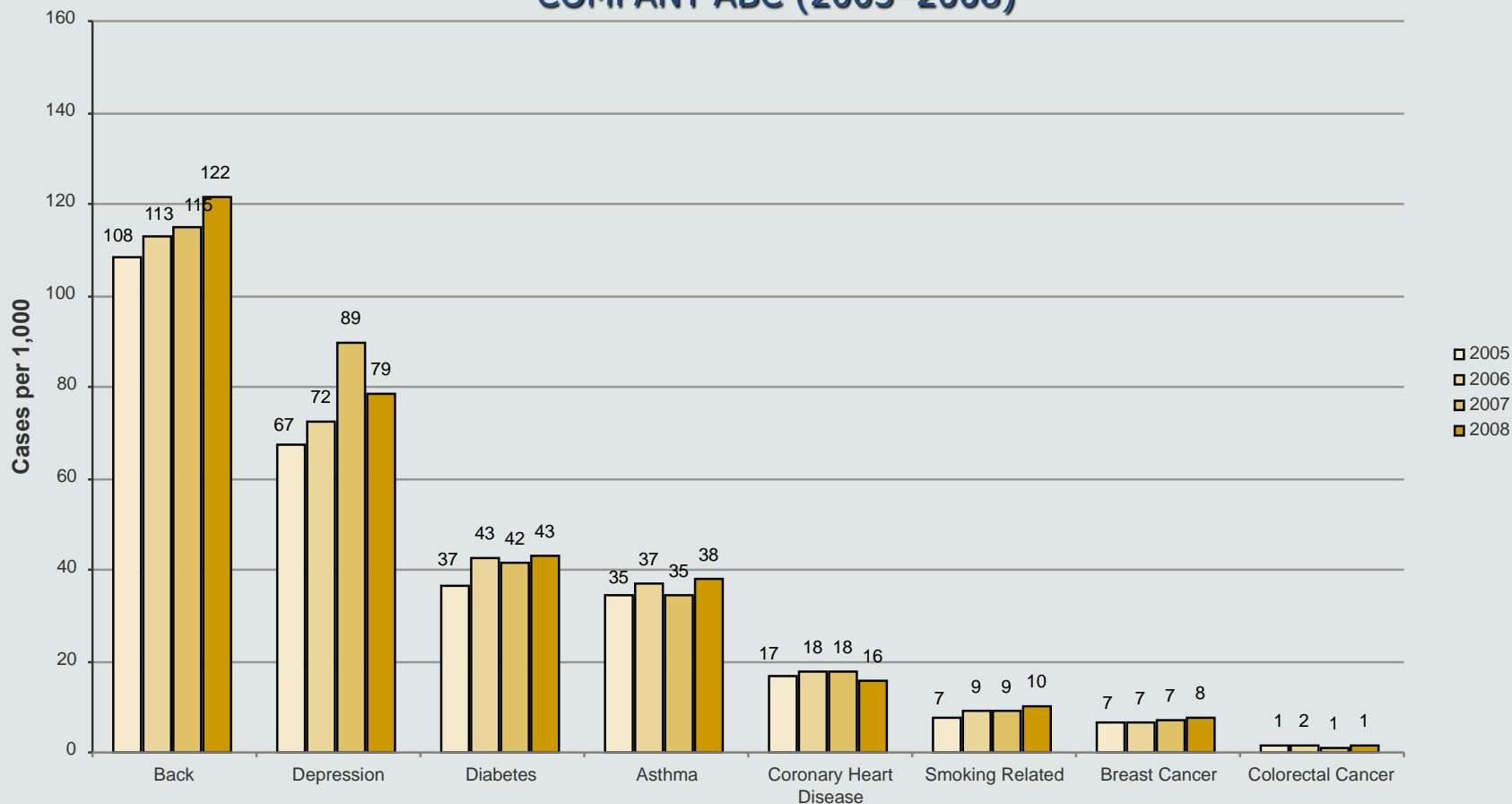


Please note: Each hospital can only earn one blue ribbon per category (Patient Experience, Patient Safety, & Select Clinical Quality).

	Patient Experience ratings explained	Patient Safety ratings explained	Select Clinical Quality ratings explained	Cost Index ratings explained
CONCORD HOSPITAL 250 Pleasant Street Concord 03301 view map	Overall Recommend	National Survey	Heart Attack Heart Failure Pneumonia Surgical Infection	\$
CATHOLIC MEDICAL CENTER 100 McGregor Street Manchester 03102 view map	Overall Recommend	National Survey	Heart Attack Heart Failure Pneumonia Surgical Infection	\$\$
WENTWORTH-DOUGLASS HOSPITAL 789 Central Avenue Dover 03820 view map	Overall Recommend	National Survey	Heart Attack Heart Failure Pneumonia Surgical Infection	\$
MARY HITCHCOCK MEMORIAL HOSPITAL One Medical Center Drive Lebanon 03756 view map	Overall Recommend	National Survey	Heart Attack Heart Failure Pneumonia Surgical Infection	\$\$
MONADNOCK COMMUNITY HOSPITAL 452 Old Street Road Peterborough 03458 view map	Overall Recommend	National Survey	Heart Attack Heart Failure Pneumonia Surgical Infection	\$
FRISBIE MEMORIAL HOSPITAL 11 Whitehall Road Rochester 03867 view map	Overall Recommend	National Survey	Heart Attack Heart Failure Pneumonia Surgical Infection	\$\$

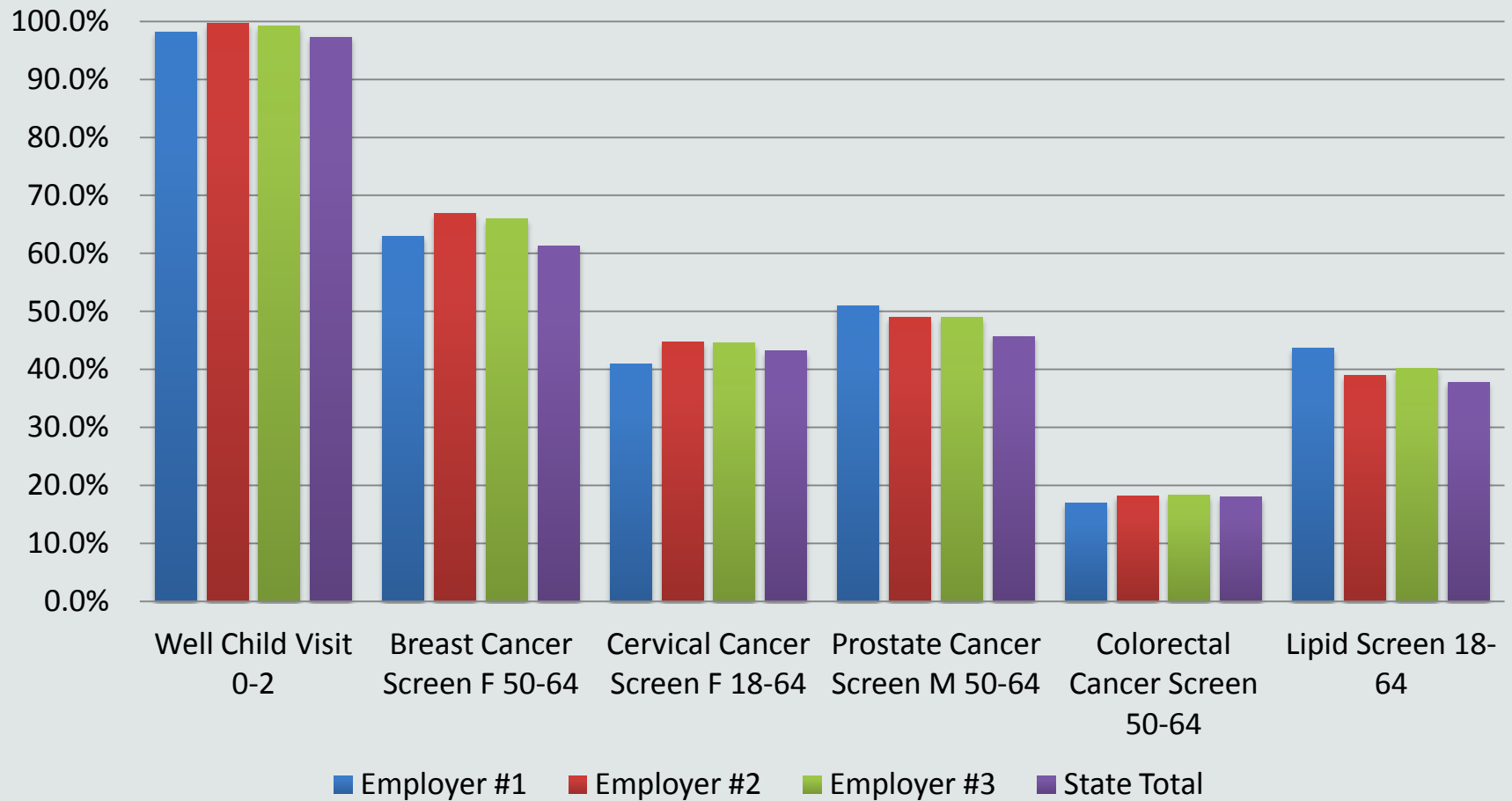
Prevalence of Selected Conditions

COMPANY ABC (2005-2008)



SOURCE: NHPGH

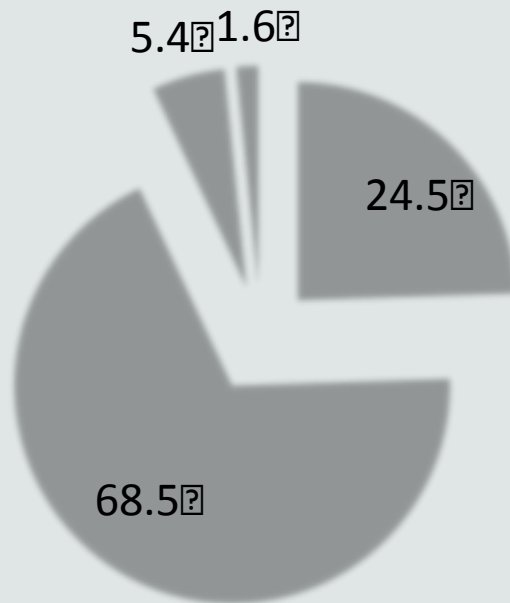
Preventive Rates By Employer vs. State Total FY 2012



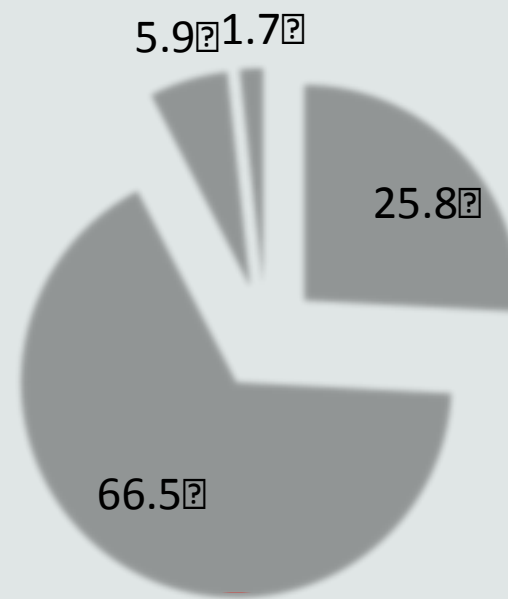
Source: NHPGH

Rx Volume by Type – NH 3 Largest Payers 2009 and 2010

% of Payments 2009



% of Payments 2010



Brand Generic Specialty Other

Source: NH Purchasers Group on Health; UNH Center for Health Analytics

Top 10 Therapeutic Class by Number of Scripts, Utah, 2009

	Therapeutic Class	Total Cost	Utilizing Members	Cost Per Member	Number of Scripts	Average Cost Per Script	Percent Generic
1	ANTIDEPRESSANTS	\$18,338,790	94,876	\$531	526,540	\$35	80 %
2	ANALGESICS - OPIOID	\$11,508,735	129,968	\$469	444,927	\$26	96 %
3	ANTIHYPERLIPIDEMICS	\$15,201,559	62,289	\$658	325,794	\$47	63 %
4	ANTIHYPERTENSIVES	\$9,771,828	58,762	\$418	320,653	\$30	67 %
5	ULCER DRUGS	\$22,198,987	71,613	\$1,136	279,649	\$79	76 %
6	CONTRACEPTIVES	\$5,943,860	48,213	\$373	230,791	\$26	57 %
7	THYROID AGENTS	\$1,878,011	45,379	\$116	221,639	\$8	89 %
8	ANTIDIABETICS	\$19,249,166	33,623	\$1,445	220,602	\$87	53 %
9	PENICILLINS	\$1,660,924	134,258	\$110	195,531	\$8	99 %
10	DERMATOLOGICALS	\$10,904,253	99,052	\$864	190,709	\$57	69 %

Source: Utah Department of Health, 2011

Top 10 Therapeutic Class by Total Cost, Utah, 2009

	Therapeutic Class	Total Cost	Utilizing Members	Cost Per Member	Number of Scripts	Average Cost Per Script	Percent Generic
1	ULCER DRUGS	\$22,198,987	71,613	\$1,136	279,649	\$79	76 %
2	ANTIDIABETICS	\$19,249,166	33,623	\$1,445	220,602	\$87	53 %
3	ANTIDEPRESSANTS	\$18,338,790	94,876	\$531	526,540	\$35	80 %
4	ANTIHYPERLIPIDEMICS	\$15,201,559	62,289	\$658	325,794	\$47	63 %
5	ANTIASTHMATIC AND BRONCHODILATOR AGENTS	\$14,187,136	52,501	\$1,360	175,722	\$81	8 %
6	ANALGESICS - OPIOID	\$11,508,735	129,968	\$469	444,927	\$26	96 %
7	ADHD/ANTI-NARCOLEPSY/ANTI-OBESITY/ANOREXIANTS	\$11,245,893	29,251	\$1,187	134,252	\$84	38 %
8	ANTICONVULSANTS	\$11,111,165	34,016	\$990	175,778	\$63	86 %
9	DERMATOLOGICALS	\$10,904,253	99,052	\$864	190,709	\$57	69 %
10	ANTIPSYCHOTICS/ANTIMANIC AGENTS	\$9,880,361	10,620	\$3,018	52,552	\$188	31 %

Source: Utah Department of Health, 2011

Reform

APCDs and Health Reform

- Population health evaluation
- Prevalence measures
- Utilization and spending
- Quality measures
- Risk stratification for chronic conditions
- Risk adjustment
- Rate review audits
- Consumer engagement
- Employer engagement

Preliminary Indicators Report, NH Medical Home Pilot Total Costs by Practice Site vs. Non-Medical Home Sites

Practice Site	Total Cost PMPM Baseline Period January 2008 – June 2009	Total Cost PMPM Pilot Period July 2009 – September 2010
Site #1	\$196	\$118
Site #2	\$218	\$158
Site #3	\$335	\$229
Site #4	\$172	\$110
Site #5	\$261	\$207
Site #6	n/a	\$225
Site #7	\$251	\$127
Site #8	\$182	\$128
Site #9	\$203	\$120
Total NH MH Sites	\$240	\$151
Total NH Non MH Sites	\$240	\$222

*Notes: PRELIMINARY DATA: Excludes pharmacy data, is not risk adjusted, is not annualized, and unadjusted for contractual differences.

% of Each Vermont Town's Primary Care Visits to Burlington

49.6% of Burlington member visits (05401 Zip Code) were to providers in the 05401 Zip Code.

These data (05401 to 05401) cannot be shown using a spider diagram.

Primary Care Service Area Study: Merges and reconciles provider data from claims with primary care practice roster, HIE practice registry, and licensure data for physicians, ARNPs, and PAs.

Percent of Visits to Burlington



Source: VHCURES

Chronic Condition Costs

2011 Member Counts and Medical Claims PMPM for Chronic Conditions*, NH
ACP Sites and State Comparator

* Diabetes, CVD, CHF, COPD, Asthma, using OptumInsight ETG Grouper

Population	ACP Site Total Members	ACP Site Total PMPM	State Comparator Total Members	State Comparator Total PMPM
No Chronic Conditions	105,007	\$281	291,867	\$293
With Chronic Condition	25,537	\$729	79,733	\$762
1 Chronic Condition	21,212	\$601	65,238	\$613
2 or More Chronic Condition	4,325	\$1,357	14,495	\$1,428
All Members	130,544	\$369	371,600	\$394

ACP ED Utilization

Emergency Department, PCP-Attributed Members, Commercial (CY 2011) and Medicaid (July 2011-June 2012), ACP Total Population

	COMMERCIAL			MEDICAID		
	% of Members	Rate per 1000	Overall PMPM	% of Members	Rate per 1000	Overall PMPM
0 Emergency Dept. Encounters	83.3%	0	\$258	63.2%	0	\$281
1 Emergency Dept. Encounter	12.6%	1,017	\$704	20.4%	1,039	\$397
2-4 Emergency Dept. Encounters	3.8%	2,395	\$1,435	13.7%	2,617	\$586
5+ Emergency Dept. Encounters	0.3%	7,133	\$3,770	2.7%	7,768	\$1,208
All Emergency Dept. Encounters	100.0%	241	\$369	100.0%	793	\$373

51% of Total Paid Amounts Attributed to 21% of Utah Residents

2009		Average Membership	Percent of Total	Total Paid	Percent of Total Paid	Average PMPM Paid
Healthy	1	447,536	59.12 %	\$210,658,763	13.83 %	\$39
One or More Significant Acute Diseases	2	47,143	6.23 %	\$147,971,524	9.71 %	\$262
One Minor Chronic Disease	3	72,613	9.59 %	\$119,479,635	7.84 %	\$137
Multiple Minor Chronic Diseases	4	26,580	3.51 %	\$81,621,476	5.36 %	\$256
One Significant Chronic Disease	5	93,954	12.41 %	\$279,710,984	18.36 %	\$248
Two Significant Chronic Diseases	6	62,852	8.30 %	\$491,379,041	32.25 %	\$652
Three or More Significant Chronic Diseases	7	2,606	0.34 %	\$47,821,421	3.14 %	\$1,529
Complicated Malignancies	8	2,281	0.30 %	\$87,605,836	5.75 %	\$3,200
Catastrophic Conditions	9	1,419	0.19 %	\$57,500,921	3.77 %	\$3,377

Source: Utah Department of Health, 2011

ETGs for Benign Conditions of the Uterus

Maine Commercial Claims (2006–2007); Full Episodes Outliers Removed
Preference Sensitive Care

BENIGN CONDITIONS OF THE UTERUS	HYSTERECTOMY	OTHER SURGICAL PROCEDURES	WITHOUT SURGERY
ETG-Subclass	646	646	647
Number of Episodes	938	2,183	7,369
% with CT-Scan	11%	15%	9%
% with Ultrasound	57%	67%	45%
% with Hysteroscopy	7%	48%	9%
% with Colposcopy	1%	2%	17%
% with Endometrial biopsy	20%	13%	9%
Average Payment per Episode	\$11,074	\$7,994	\$1,273

The average episode payment for members with abdominal hysterectomy was \$11,221, and the average payment for members with vaginal hysterectomy was \$10,990. Of members with a hysterectomy, 66% had abdominal and 34% had vaginal hysterectomy. Other surgical procedures included hysteroscopy ablation, laparoscopic removal of lesions, myomectomy, and removal of ovarian cysts.

SOURCE: ONPOINT HEALTH DATA

APCD Opportunities with HIE* & HIX



HIE

- Calculating Fiscal Impact of Clinical Decision-Making and Comparative Effectiveness
- Public Health Research
- Health Services Research
- Risk Adjustment and Episodic Analyses
- Populating the HIE With APCD “Non-Clinical Events”



HIX

- Rate Review
- Risk Adjustment
- Medical Loss Calculations
- Product Design
- Benefit Design
- Quality Metrics Integration

* Or Other Clinical Repositories Such As Registries or Electronic Health Records.

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